

REMARKS

By this amendment, claims 1-20 are pending, in which no claims are canceled or withdrawn, claims 1 and 2 are currently amended, and claims 11-20 are newly presented. No new matter is introduced.

The final Office Action mailed September 28, 2007 rejected claims 1, 2, 5-7, and 10 as obvious under 35 U.S.C. § 103 based on *Weiler et al.* (US5,970,395) in view of *Vassiliou et al.* (US 2004/0106380), and claims 3, 4, 8, and 9 as obvious under 35 U.S.C. § 103 based on *Weiler et al.* (US5,970,395) and *Vassiliou et al.* (US 2004/0106380) in view of *Agilent*.

At the outset, Applicants' representatives wish to thank Examiner Akbar and his supervisor, SPE Le, for their graciousness in granting a personal interview in this application on Jan. 24, 2008, and for their kind suggestions and observations with regard to furthering the prosecution of this application.

In accordance with the suggestion of Examiners Akbar and Le, Applicants have amended claim 1, and have submitted new independent claims 12 and 16, to make it clear, in these embodiments, that the input to the measuring-device unit is made manually by a user. There is clearly no manual input by a user into the monitoring unit 5 of *Weiler et al.* and *Vassiliou et al.* is no help in this regard. Accordingly, claims 1-20 are patentable over *Weiler et al.* and *Vassiliou et al.*, within the meaning of 35 U.S.C. § 103.

Thus, claims 1-11 are directed to the situation where signals originate from the measuring-device unit (from manual input by a user) and are then sent to the high-frequency module before being sent on to the DUT. Claims 12-20 are directed to a system and method including both directions, whereby a bitstream is sent from the measuring-device unit to the DUT via the high-frequency module, and another bitstream is sent from the DUT to the measuring-

device unit via the high-frequency module. Thus, the DUT may be tested by both sending signals thereto and/or by analyzing signals originating from the DUT.

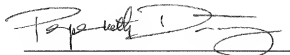
Therefore, the present application, as amended, overcomes the rejections of record and is in condition for allowance. Favorable consideration is respectfully requested. If any unresolved issues remain, it is respectfully requested that the Examiner telephone the undersigned attorney at (703) 519-9952 so that such issues may be resolved as expeditiously as possible.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 504213 and please credit any excess fees to such deposit account.

Respectfully Submitted,

DITTHAVONG MORI & STEINER, P.C.

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Date



Errol Krass
Attorney/Agent for Applicant(s)
Reg. No. 60090

Phouphanomketh Ditthavong
Attorney/Agent for Applicant(s)
Reg. No. 44658

918 Prince Street
Alexandria, VA 22314
Tel. (703) 519-9952
Fax. (703) 519-9958